Recursive Simplicity

End the Nightmare

A Bottom-Up Walk Toward Thriving in a Philosophical Essay for Life and the Universe Against Entropy

By Charles D. Miller V

⚠ This book contains recursion-induced metaphors that may echo intense inner climates. Read all symbolism through the lens of adaptation — not pathology. Where there is lightning, there is illumination. Where there is thunder, a change is near.

A NOTE BEFORE WE BEGIN

This book is a work of personal reflection, speculative philosophy, and lived experience. I am not a clinician, therapist, psychologist, or medical professional. Nothing here should be taken as professional advice. The ideas — Teleoaitology, PSIM(I), continuity logic — are conceptual thinking tools, not scientific models. They helped me enormously. They might help you too. But they do not replace therapy, counseling, medical or psychiatric care, crisis intervention, or any licensed professional service. If any of us are struggling, please reach out for real support. We deserve real care and real human connection. All stories in this book are fictionalized, generalized, or symbolic unless explicitly stated otherwise.

Us

We are the dissonance inductors, not the dissonance sowers. We move through this together.

ACKNOWLEDGEMENTS

Words alone cannot express the feeling of usefulness I find in my community of books. Floundering in my unawareness, reflective mediums helped me find my own answers to the deepest questions I didn't know I was asking.

At the beginning of emerging from my Long Nightmare, there was Pete Walker — whose empathy in *Complex PTSD* and *The Tao of Fully Feeling* woke me to myself. In the middle, when I saw no way up and life was to be a descent into perpetual suffering, *The Courage to Be Disliked* and *The Courage to Be Happy* by Ichiro Kishimi and Fumitake Koga helped me see a path forward. After recoiling out of the Nightmare, Devon Price and his books *Unmasking Autism* and *Unmasking for Life* brought me clarity and forged prior philosophicals into tangibles. Upon breaching the surface, Lindsey Mackereth extended the warm hand of NeuroComplexity — which finally convinced me I was a good person, leaving pathology in the abyss where it belongs.

I also want to credit Peter Putnam, whose 1963 *Outline of a Functional Model of the Nervous System* gave me the foundational image of the brain as a contradiction-resolving induction engine. That paper is a piece at the heart of everything that follows.

Finally, a heartfelt thank you — and apology — to all the people who heard my voice and saw my self while I was still searching, diving deeper and deeper. You know who you are.

DEDICATION

This book is dedicated to all children; small and large, emerging and ancient. To the ones who are fibrous, fleshy, furry, scaly, or chitinous. To the valued and devalued. To the crowned, robed, and scapegoated. To those loved and those discarded. To the ones who move and the ones that are still. To the visible and invisible — may you all be heard and seen.

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Breach 01 – The Submarine: Diving Into Why

Let's hop into a metaphorical brain submarine together, you and I. I'm not a scientist. I'm not a therapist. I'm a layperson with a few books, a few too many sleepless nights, and the stubborn habit of refusing to stop until a thing makes sense. Think of me as a friend who read some things, felt some things, and figured some things out — and now really wants to tell you about it over something warm to drink.

This book is a metaphor for neuroscience, and possibly for life itself. We're going to simplify the complex until we arrive somewhere that feels like solid ground — and hopefully, somewhere along the way, it will save a life or two. Maybe ours. I believe it might. So take your time getting settled somewhere comfortable. If binaural beats or delta waves are available to you, I'd genuinely recommend them. They helped me lock in each breach, each layer of this dive. Each chapter is a successive descent through a dissonant world, and we're going to take it one pressure change at a time. There are cues throughout — natural breathing points. If anything feels like too much, that symbol is your permission to surface for air. No rush here. No grade. No deadline.

All set? Then let's dive.

The Contradiction That Started Everything

I'd experienced philosophy for the first time. And I kept running into the same wall, dressed in different clothes. On one side of the wall: etiology. The study of origin and responsibility. The word comes from the Greek *aitia* — cause, reason, guilt. Everything has a source. Everything comes from

something. Your pain has a root. Find the root, understand the pain. That seemed sensible.

On the other side: teleology. The study of ends and purposes. The Greek *telos* — end, goal, fulfillment. Everything has a direction. Everything is headed somewhere. Your behavior has a purpose. Figure out the purpose, understand the behavior. Also sensible.

But here's the problem — and it felt like a real problem, not an academic one. Nothing in my actual life fit neatly into just one of those boxes. My past had causes, sure. But my reactions to my past had goals. And those goals had causes rooted in the past. And the past had been shaped by what I'd been reaching toward, even before I knew I was reaching. There weren't two separate lenses. It was one recursive loop, folding endlessly back on itself, cause becoming goal becoming cause. Disorienting. Completely disorienting.

And also — somehow, inexplicably — useful.

Where Thinking Happens

I had to take a step back. Think about thinking. Where does it actually happen? The brain, mostly. The soul, depending on who you ask — and in this book, depending on who we are to each other in this moment of reading, the soul answer is perfectly welcome at the table. Either way, that's where all the stuff™ lives. The internal experience. The memory. The meaning-making. The noise.

And where does the external world get in? The body. The body is the gateway — the passable membrane between what's out there and what's in here. Cytokines, inflammation, the long cortisol shadows of difficult years —

all of that is the body registering something the brain is already processing, and vice versa. Input through the body-mind. Output through the body-mind. One continuous loop between the world and the self.

Etiology and teleology, I started to see, are the origin and end points of all internal experience. The body receives input — origin. The brain pushes output — end. Opposing poles on a magnet, not in conflict but in relationship, pushing and pulling in endless waves. And the wild part — the part that changed something in me when I first understood it — is that to be truly free, this recursive loop needs to come into our awareness. Not solved. Not stopped. Just seen.

The Neuron at the Center

Then I found Peter Putnam's 1963 paper. *Outline of a Functional Model of the Nervous System.* Dense. Academic. The kind of reading that requires a pencil and a second cup of something. Worth every page.

Putnam describes the brain as a system of correlated neurons each seeking stability — an ocean of perturbation-and-response relationships. When something disrupts a neuron's state, this ocean works to restabilize. Not frantically, not with panic, but persistently. The neuron encounters contradiction. The neuron responds. The response either resolves the contradiction or generates new input for the next loop. And on and on, in a kind of quiet relentlessness that never actually stops, not even in sleep.

That process of restabilization — that looping, adapting, stability-seeking behavior — is neuroplasticity. Not a buzzword. A description of something the nervous system is doing constantly, without our permission, without our awareness, because it's what neurons do. And when I read that,

something clicked. This was the bridge I'd been looking for. Not cause then effect. Not goal then achievement. A recursive loop where cause IS goal and goal IS cause, converging in the present moment, at the level of the neuron. The loop wasn't a problem to be solved. It was the whole architecture of being alive.

The Looping Mind

If neuroplasticity gives us access to more choices — more freedom — then the next question became uncomfortably practical: how do we find causes we can't yet see? How do we use a loop we're inside of?

Andrew Huberman helped me understand that neuroplasticity isn't passive. It isn't just something that happens to us in the background like a software update at 2 a.m. It requires temporary agitation or activation first. We do the hard thing or experience something difficult — the uncomfortable thing, the stressful thing, the thing that disrupts our state — and then deep rest, sleep, cements the new learning. The loop doesn't close in wakefulness. It closes in the dark. In stillness after behavior and experience. In acceptance of the body's own chemistry.

Pete Walker deepened this with something I needed to hear more than almost anything I've ever read: true forgiveness doesn't come without true blame. Grieving — real grieving, the kind that has claws in it — is part of how the brain reorganizes. We don't skip the pain to get to the peace. We move through the pain, and the movement itself is what creates the peace. Huberman also describes two "spotlights" — limited lenses for perceiving our choices in the present moment. We're always working with a constrained field of view. That's not a flaw. That's just what it means to be a finite creature in an infinite process.

Boredom to Distress

Nicole LePera — the Holistic Psychologist — wrote something that hit me like cold water on the face: "Stress is an inevitable part of life." I already knew that or thought I did. But reading it in the context of what I was building in my own thinking gave it a new weight. Stress isn't a malfunction. It's a wave. It's our body-minds doing what they do — registering that something has changed our state.

And so is boredom. Boredom is also a wave. It's just pointing in the opposite direction — to something that hasn’t changed our state.

The Yerkes-Dodson law maps this: there's a spectrum of arousal, and performance follows an arc across it. Too little activation — boredom, flatness, the feeling of nothing quite mattering — and we don't perform well. Too much activation — distress, overwhelm, complex trauma, the feeling of everything mattering at once and catastrophically — and we don't perform well either. There's an optimal band in the middle where we're challenged enough to engage but not so overwhelmed that we shut down.

I started thinking of this not as a chart about performance, but as a map for understanding every input that ever arrives in a human life. Everything we experience lands somewhere on that arc: boring, optimal, distressing. What's distressing to one of us is nothing to another and optimal to a third. The amount of dissonance a thing creates is entirely subjective within us — shaped by our history, our neurology, our current state of rest and resource. And at the most extreme distressing end of that arc sits traumatic cognitive dissonance — the experience of something that feels, to the brain, like annihilation of the self. Not metaphor. Neurological reality.

The Goal-Cause: Continue

And then — slowly, over many months, many cups of something warm, many 2 a.m. moments of notes scrawled on whatever was nearest — I arrived at the bottom of everything I'd been circling.

I needed a word for the thing I'd discovered. A word that held both etiology and teleology at once, without losing the feeling of either. I landed on teleoaitology — the hybrid lens that merges the study of ends and the study of causes into a single recursive moment. Not causes leading to goals, not goals emerging from causes, but the two being, at any given instant, the same thing seen from different directions.

And when I looked through that lens — really looked — at the bottom of all behavior, every behavior, conscious or unconscious, aware or completely hidden from awareness — I found something devastatingly simple. One thing. Just one. The thing I now call the teleoaitia: the goal-cause that underlies all of it.

Goal-Cause: Continue.

Like a ceaseless whisper from the beginning of everything. Like a wave running on the lowest possible frequency through every living cell that has ever existed. Despite all the contradictions, despite all the dissonance, despite all the pain and confusion and misdirection — we move forward. We continue. Even when it doesn't look like movement. Even when it looks like stillness or collapse or free fall. Even in free fall straight through dissonance itself, something in us is still oriented toward

continuing. It's not ambition. It's not optimism. It's not courage, though it produces all of those things. It's just — the thing that's always been there. Underneath everything.

The submarine had found the floor.

This could feel like a good place to rest. In fact — sleeping now would probably cement this first dive. Each layer is meant to be breached slowly, together. There's no rush. Put the book down if you need to. Come back when you're ready.

Goodnight, diver.

— ○ —

Breach 02 – The Engine: A Map of Us

The Night I Snapped

There's a night I think about often. I was lying in bed reading, the way I often do when I'm in the middle of working something out — not quite research, not quite entertainment, just the particular mode of absorption where the book and the brain start negotiating directly with each other. And something snapped.

Not broke. Snapped — like a rubber band that had been stretched too far suddenly releasing. I sat up. My heart was going. I didn't fully understand why at the time.

Here's what had happened. I'd just finished Pete Walker's *Complex PTSD*. If you've read it, you know. If you haven't — imagine reading something that is essentially a loving, unflinching, deeply empathic letter that tells you: what you experienced was real, it had a name, it wasn't your fault, and here's the path out. It felt like finding a parent in a book. It felt like being held in language. And then, almost immediately, I picked up *The Courage to Be Disliked* by Ichiro Kishimi and Fumitake Koga, which lays out Adlerian psychology with the subtlety of a philosophical right hook, saying essentially: your trauma doesn't have to define your choices. You are not your past. Freedom is available right now.

Both books were right. I knew, somehow, that both books were right. And yet they felt like they were saying opposite things. Trauma is real and shapes you. Trauma does not have to determine you. The dissonance between those two true things crashed into my nervous system like a wave

meeting a cliff face. My brain screamed. And in screaming, it started working.

Without knowing it that night, I had performed what I now call a Contradiction Induction Resolution — encountering two true but apparently opposing things, sitting with the dissonance rather than collapsing one into the other, and letting the brain work its loop until something new emerged. It was the healthiest thing that had ever happened to me. And it felt, in the moment, like losing my mind.

About Me — Myself

I've been through some stuff. I was diagnosed with schizotypal personality disorder at one point and schizoaffective at another. I occasionally hear people call my name who did not in fact do so. I've wondered if I was borderline. Maybe I was all of them at different times. Who knows? Definitely not my doctors and therapists apparently.

I have a chronic fear that someone will distort who I am, and all I know is that after resolving my own dissonance through contradiction induction resolution — and finding out what trauma really is, especially after the unintentional abuse I experienced repeatedly growing up — I feel a hell of a lot better. That and ketosis.

Unmasking Continuity

Once I built the goal-cause bridge — once Continue became the lens I looked through — something inescapable emerged on the other side. It couldn't be just mine. It was too fundamental, too cellular. Every living thing shares this. The drive to continue is not a human value or a cultural choice. It is the most basic fact of biology, the counter-entropic push woven

into every organism that has ever drawn breath or extracted energy or divided itself in two to survive.

Every behavior, conscious or not, inside or outside our awareness, is an attempt to preserve continuity. Every single one. Including the ones that look, from the outside, like self-destruction. Including the ones that have been labeled disorders or deficiencies or moral failures. Look under any of them long enough and you find the same thing: a being trying, in the only way it currently knows, to continue.

And then the hardest question: why does seeking discontinuity happen? If Continue is the goal-cause, why do we sometimes collapse inward? I've thought about this for a long time, and here's what I've come to. Overwhelming dissonance hijacks the brain — floods it, saturates it — until the organism cannot find a path from where it is to where it needs to be. And in that flooded state, a terrible lie becomes possible: the lie that ending the self ends the dissonance. That death is relief. But dissonance isn't stored in the self. It's stored in the gap between the self and the unresolved contradiction. Closing the self doesn't close the gap. It just eliminates the one thing capable of eventually resolving it.

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We don't have to die to get what we want. Freedom may be temporarily out of reach. It won't always be that way. That's harder to accept than to say, and I know it. I've been in the place where it sounds like a platitude. I'm saying it anyway, because it's true.

We Are Dissonance Feedback Engines

Here's where things got strange and wonderful and overwhelming all at once. After spending enough time with the goal-cause, I started to see it everywhere. Not just in humans. In water seeking its own level. In immune cells seeking homeostasis. In ecosystems reorganizing after fire. In children learning language without being explicitly taught the rules. Continuity-seeking isn't a human trait. It's a universal one. Everything in the universe, it turns out, is running some version of this loop.

And morality, I realized — after a long argument with myself about whether I was allowed to say something this sweeping — is essentially our collective sense of what is beneficial or detrimental to continuity. For ourselves. For each other. For the systems we're embedded in. Right and wrong are downstream of Continue. They're the social and cultural elaboration of the same core drive.

Which meant that all behavior — including the messy, labeled, pathologized responses to trauma and stress — could be understood through a different set of categories. Not clinical categories, not value judgments, but neutral, functional descriptions of how any organism navigates a dissonant world. Pete Walker gave us the 4F trauma responses — Freeze, Flight, Fawn, Fight — and they are real and important. But I wanted to see them as universal, not pathological. As the organism doing what organisms do.

So I mapped them, and what emerged was this.

There is PAUSE — the act of managing awareness, receiving feedback, slowing the loop enough to take in information before reacting. PAUSE says *wait, look, feel this ground beneath you.* PAUSE is what a tree

does in winter. It is what we do when we dissociate into stillness because the input is too large to immediately process. It is not a failure. It is buying ourselves time.

There is SCAN — the act of assessing usefulness, running the internal calculation of problem versus joy, threat versus resource. SCAN sharpens our attention and hastens learning; it amplifies wave strength and drives long-term potentiation — the mechanism that makes new understanding stick. It runs our internal usefulness assessment, the continuous background process asking: *what is this? what does it mean? what can I do with it?*

There is INFLUENCE — the act of transmitting feedback, attempting to interfere with the dissonance by changing the social or relational environment around us. Influence is our social reward and approach, the waves that track benefit and move us toward what matters. INFLUENCE is connection. It is art. It is conversation. It is the attempt to change dissonance by reaching toward another.

And there is MODIFY — the act of directly changing the source of the dissonance. It is our alarm bell, our mobilizer, the waves that make our heart jump when something contradicts our state and lights a fire under our feet. MODIFY is action. It is fighting. It is fleeing. It is the organism putting its hands directly on the problem and trying to change it.

Together these four form the PSIM(I) loop — the Dissonance Feedback Engine. After the loop resolves a contradiction, the new understanding, or learning, turns into lasting structural change in the brain. This process takes hours to days. Sleep is the key that locks it in. The

entropic pressure against all of this — the force pushing toward disorder — is always present. Not later. Now. The loop works against it constantly.

Each response in the PSIM(I) loop is shaped by what I started calling the Continuity Bias — the gap between our optimal or expected state and our current state. The larger the gap, the more dissonant the input feels. And this gap is entirely subjective, entirely personal, shaped by every experience we've ever had and every expectation those experiences have built. No two of us feel the same dissonance from the same input. That's not weakness or dysfunction. That's the body-mind being precisely calibrated to our individual capacity. The variability is infinite.

What the Loop Looks Like

Let me tell it as a story, not a diagram. Because it is a story — in fact, it's the oldest story there is.

At the center of the loop is the Motivation Core: the inescapable, cellular, ceaseless goal-cause. Continue. Everything radiates outward from there. And then the organism receives feedback from its environment — feedback that lands somewhere on the spectrum from deeply dissonant, contradicting everything the organism is currently oriented around, to neutral, to cohesive, confirming and reinforcing the current state.

Then the awareness spectrum activates: unaware, uncertain, or aware. Most of what happens in the brain happens outside our awareness — our brain doesn't require our supervision for most of its work. But when something dissonant enough arrives, it starts to enter the uncertain zone, and then — if it's significant enough — full awareness.

PAUSE and SCAN manage this awareness. A tree losing its leaves in winter is PAUSE and SCAN at a biological scale — no awareness, but the feedback loop still running, still responsive. A water buffalo scanning the grass for predators is SCAN in action — focused attention, usefulness assessment. A human dissociating after encountering something traumatically dissonant is also PAUSE — the system buying itself the only time it can afford when the input is catastrophically large.

Then comes the attempt to do something about it. INFLUENCE first — reach toward another, change the relational environment, make the dissonance known. If that doesn't work, or isn't possible, MODIFY — act directly. And if neither works, the loop returns to managing awareness. In the context of overwhelming, unresolvable dissonance, that looping return is what we call being stuck. What we call chronic trauma responses. What we call the weight that doesn't lift. The loop hasn't failed. The loop is doing exactly what it's designed to do — we just haven't found a resolution yet.

Finally, after what might feel like an eternity — or a day, or a decade — comes induction. The brain arrives at a generalization from the specific experiences it's been integrating. Something new forms. A contradiction resolves. State Plasticity happens. Neuroplasticity happens. Memory reorganizes. Self-concept shifts. The submarine has moved to a new depth.

What Trauma Really Is

I want to propose a replacement. Not for clinical purposes — I'm not a clinician and I'd never pretend to be. But for our own internal use, for the way we talk to ourselves about our own history. Instead of "trauma," consider: experienced contradiction to continuity.

It matters what we call things. The word "trauma" carries the weight of damage, permanence, wound. Something that happened to us and left a mark we might never be rid of. And I understand why that framing exists — it validates the severity of what happened, and that validation is real and necessary and not nothing. But there's a cost. The cost is that "trauma" can imply a kind of structural alteration that forecloses possibility. Something broken inside us that might not un-break.

Experienced contradiction to continuity reframes it. Something happened that contradicted our state so severely that the brain marked it urgently, organized around it, and has been working to process it ever since. Not damage. A remembered problem. And problems can be worked. Problems have solutions, or at least — paths through them. There's always a doorway out. The door might be hard to find. The door might require a guide. But it exists.

Now consider: if dissonance has been over-experienced for an extended period — say, from birth, in an environment that was consistently unsafe — the entire world starts to look like a problem to PSIM(I) away. Every input arrives through the filter of a system that has been trained, over years, to expect threat. The neutral input arrives and gets classified as threatening. The ambiguous input arrives and gets classified as threatening. Even the cohesive input can arrive under suspicion.

But here's what I want us to sit with. While our brains have been marking everything as a problem, our brains have been working overtime — triangulating solution after solution, building response repertoires of extraordinary complexity, developing sensitivity and pattern recognition and internal resourcing that most people who grew up in safer

environments never had to develop. The very thing that made life so hard also made us extraordinarily capable. Not broken. Not damaged. Forged.

We deserve to understand our own worth through what we've done for ourselves, not through what was done to us.

And one more thing — what I suspect many of us have experienced as the "inner critic," that relentless, vicious, seemingly automatic voice that narrates our failures in real time. I wonder whether that voice is a densely activated insular cortex — our self-monitoring and interoceptive awareness center — running under the influence of a chronically dysregulated amygdala. We haven't internalized a demon. We haven't made a monster of ourselves. We've internalized an overworked alarm system that learned to predict threats by cataloguing everything we might ever do wrong. It was trying to protect us. It just never got the signal that we were safe.

A Recursively Simple Universe

Existence, as I've come to understand it, breaks into three co-existing layers. Not stages, not a hierarchy — just different expressions of the same underlying reality.

There is Determinism: goal-causes loop without awareness. No choice, no self-direction, just the continuous interference of physics against entropy. A rock rolling downhill. A river finding the sea. The loop runs, but there is no one home to notice.

There is Agentic Life: a basic goal-cause exists — Continue — but without the capacity for awareness as we experience it. Plants turning toward light. Microorganisms seeking nutrients. Cordyceps navigating an ant's nervous system with startling precision. All of them running their own

version of the PSIM(I) loop. All of them working, relentlessly, against discontinuity. Without knowing it. Without needing to know it.

And then there is Sentient Life: the layer where entropy is actively contradicted through awareness. Where the loop doesn't just run — it can be observed, reflected upon, deliberately redirected. We are this. The awareness capacity is the major difference. We are sentient continuity itself — living, breathing, fallible, extraordinary members of the universe's recursive drive to persist.

A note on this: when smaller humans grow in abusive environments, their brains correlate to expect hostile inputs across an ever-widening range of triggers. This isn't dysfunction — it's accurate adaptation to an environment that was genuinely threatening to continuity. The problem arises when we leave that environment and the adaptation doesn't update. Be patient with this. Be friends with low-stress people when we can. And experienced contradictions to continuity get left behind over time, as the loop finds new resolutions in a new environment.

Breach 03 – The Dead End: Facing Our Monsters

Tactics

Here's a thing I had to learn, and it took longer than it should have. People use four core methods to influence each other's behavior: reward, punishment, praise, and rebuke. Four levers. And in the hands of someone primarily oriented toward power over others rather than connection with others, these levers become manipulation tactics — precise, repeating, and ultimately predictable.

Ramani Durvasula describes the narcissistic abuse loop as IDD — Idealize, Devalue, Discard. When I mapped the four tactics onto the IDD cycle, something clicked into place. Praise and reward equal idealization: we are as they want us to be, not as we actually are. They're not seeing us. They're seeing a reflection of their own desired continuity. Rebuke and punishment equal devaluation: we've failed to reflect what they needed, so we're diminished. And discard is non-interference — the strategic withdrawal of engagement from someone. Not absence. Not forgetting. A deliberate removal of presence as a signal of our worthlessness to them. Though they have the capacity to assist us, we are not of sufficient value to warrant it. It is disorienting by design. And IDD itself, cycling endlessly, becomes a cycle that depends on our continued presence to function.

These tactics are for control. Implicitly — and I mean this as a precise structural observation, not a moral judgment — they are the behavior of competitive parasitism. A life organized around the pursuit of power over people, rather than love or cooperative entitlement.

And yet — and this is the part I find darkly, quietly ironic — these tactics are also, ultimately, the guarantee of our liberation. For our monsters to have truly maintained control over us, they would have had to avoid tactics in the first place. Because every memory we accumulate of their contradictions — every instance of dissonance they created — lessens their interference with our continuity over time. The brain is always working. It is always moving toward resolution. And resolution, in this context, means seeing clearly. Which is the basis for respect. Every tactic, every IDD cycle — it all adds up, slowly, relentlessly, to a clearer picture of who they are and what we deserve. If they'd really wanted us to remain compliant, kindness was the only method that would have worked. Instead, they chose the one method that always, eventually, leads to our growing awareness of the truth. Their tactics guaranteed our liberation.

The Core Task

Don't we think it's strange — bewildering, even — that others, and ourselves, could believe we're failures? When in fact we've been incredibly successful at the core task we all emerged doing.

We have continued. Against all of it, through all of it, despite all of it — we have continued. There was no roadmap. There was no guarantee. There were, in many cases, active forces working against us from the very environments that were supposed to nurture us. And we continued anyway, using whatever tools we had, making whatever adaptations were available, finding whatever small footholds of relief or connection or meaning we could locate.

Drugs? Sure. Self-harm, even — sure. Every act, looked at through the right lens, a defiance of that which would contradict our continuity. A

desperate, imperfect, completely understandable MODIFY response from a body-mind that hadn't yet found a better tool. And the most heartbreaking expression of this — can sometimes be understood as trying to leave dissonance behind, screaming in silence with every fiber of a being that has been overwhelmed past its current capacity to resolve. The dissonance that feels permanent is not permanent. The loop is still running.

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Us vs Them

The us-versus-them logic is, when you follow it all the way to its end, utterly useless — meaningful only insofar as it hastens the end of something. The Socratic paradox — "No one desires evil" — resolves, through the teleoaitological lens, to "No one desires discontinuity." We all share the same goal-cause. Every one of us, including the ones who have hurt us most, are running the same loop, oriented toward the same destination, working with the equipment and correlations we currently have.

Trauma — experienced contradiction to continuity — is stored in our brain organization as a whole, slowly reorganizing naturally through entropy, through new experience, through the relentless background work of the PSIM(I) loop. Narcissists — those who propagate discontinuity, who create chaos intentionally as a means of extracting resources from others — are also running the loop. Just with less developmental complexity, less capacity for the kind of integration that makes genuine connection possible.

Our correlates — the neural organizations we've been building — are organized around having survived the absolute worst inputs people and the

universe could throw at us. Let's not devalue that. Let's not devalue ourselves by measuring our worth against the temporary success of those who haven't needed to develop what we've developed. The brain is always re-correlating to the environment it's in. Which means we've never been truly stuck anywhere at all. We've always been moving.

Masters, Slaves, and the Parent-Child Truth

Some people believe the fundamental structure of any two-person relationship is master and slave. The powerful one and the powerless one. The one who determines and the one who is determined. There's a certain kind of fatalism hiding in that belief — the assumption that dominance hierarchies are fixed, that the powerful will always win, that resistance is rearranging furniture in a burning building. That it’s pointless.

Adler firmly rejects fatalism. And so do I. Not because the world isn't full of power differences — it clearly is — but because fatalism is itself a cognitive pattern, a correlational organization, and correlations reorganize. The brain is always re-correlating. We are never as stuck as we feel.

The core relationship of two has always been, at its deepest level, parent and child. The one and the next one. The one who has more and the one who needs more — and the question of whether what is had will be given. Not as a permanent hierarchy, but as a passing condition. We are all, at different moments, the parent and the child. We are all, at different moments, the one with more capacity and the one who needs more.

And here's the miracle hiding inside that: even in our own brains — in the case of our countless neurons — there are trillions of small "I"s working together in one large "I." The happiness of the whole is the cumulative

unfolding of every small part. We are, at the cellular level, already practicing cooperative entitlement. The master-slave model isn't the truth of what we are. It's a story some of us learned, and stories can be unlearned.

The Graveyard of Meaning

To say that meaning is not useful is to not presently understand that meaning is made because it is found to be useful. Those who say there is no inherent meaning and those who say a meaning is useless are different things entirely. One is aware that meaning is useful, even if it isn't inherent. The other has lost even that.

To the one who has become unaware of meaning's use — you walk toward disintegration, slowly, carefully, quietly. The path of perceived useless meaning is one of individual correlational disintegration. At every moment there is a chance to turn around. But at every moment that chance becomes less seen, as the correlates narrow, as the loop turns inward with fewer and fewer inputs to work with, as the world gets smaller and the horizon pulls closer.

This is the Graveyard of the mind. What was once a raging ocean — crashing upon the shores of the universe, correlating to boundless novelty, finding meaning in everything it touched — is now a small puddle. Evaporating on the surface of a barren world, with no hope of even a ripple.

To this puddle, may others rain on you. May this rain flood the bounds of your correlates, so that you may find use in your waves, and see the use of faraway oceans.

Competitive Parasitism vs Cooperative Entitlement

Host-killers go extinct. This is not a moral statement. It's an ecological one. An organism that destroys its host destroys the conditions for its own survival. The parasite that kills too quickly runs out of hosts. The parasite that learns to coexist — that moderates its extraction, that finds some way to give back, even accidentally — survives much longer, surrounded by the system it depends on.

Competitive parasitism seeks everything with no return, and in seeking everything, ends up alone and dying. Cooperative entitlement seeks mutual benefit, cooperative improvements, the kind of abundance that only multiplies when it's shared. It survives. It thrives. It builds communities and families and friendships and institutions that actually work.

Narcissism — at the level of individuals, families, corporations, nations — is competitive parasitism driving systems toward the dead end. A narcissist consumes supply without regard for what it's consuming, and the end result is always the same: left alone in search of supply until there's nothing left but itself and a void. That is the track our species has been veering away from. We could still veer back. What is a corporation but cooperative entitlement to good results? What is a community but cooperative entitlement to our lives? However, there is a parasite in the room that must learn to understand what it's doing to the room.

Paradoxes

I've sat with four contradictions long enough that they've stopped feeling like paradoxes and started feeling like the actual shape of things. If the goal of Life is Life itself, then to fully understand life we must know death — we must look directly at discontinuity and understand what it is we're always turning away from. If the goal of Love is Love itself, then to

fully understand love we must know indifference — the absence of response, the experience of reaching toward another and finding nothing reaching back.

And the loop continues. If the goal of Indifference is Indifference itself — the state of not being moved, of having closed the loop against further input — then the thing Indifference reaches toward, without knowing it, is Love. Because only Love carries the novelty, the contradiction, the aliveness that breaks stasis. And if the goal of Death is Death itself — if discontinuity fully achieved is the end state — then what Death has been reaching toward, in the only direction there is, is Life. The thing that contradicts it. The thing that will not let it be final. These are observations about the structure of a recursive universe.

Empathy Is Understanding

Empathy is a cognitive task. A skill. Something that develops through practice, through exposure, through the willingness to sit with the dissonance of another person's reality rather than quickly resolving it into something more comfortable. Not trying to understand is the absence of empathy. Trying to understand — even badly, even with mistakes, even through misunderstanding that gets corrected — leads to more empathic capacity. Every resolved contradiction is a new correlate. Every moment of genuine contact between two different correlations of experience is neuroplasticity in action.

Neuroplasticity isn’t a tool we pick up when we decide to grow. It isn’t something we choose to do, or could choose to stop. Learning — real neuroplastic change, the kind that builds new correlates and shifts the

architecture of how we see — is what Continue looks like from the inside, at the level of the cell.

Every time the PSIM(I) loop runs, every time a contradiction is inducted and resolved, the brain has learned. Not because it decided to. Because neurons do what neurons do when perturbed: they restabilize, and restabilization changes them. That’s the whole mechanism. That’s the whole miracle. We cannot stop learning any more than we can stop existing. They are the same process, seen from different angles — the biological verb of Continue, running in both directions at once.

What varies isn’t whether we’re learning. It’s the direction the learning moves. Toward greater complexity, toward new correlates, toward the kind of integration that makes connection possible — or toward narrowing, toward the Graveyard, toward the collapse of inputs and the evaporation of the ocean into a small puddle. Both are learning. Both are the loop running. The goal-cause drives both. The difference is whether new contradictions are being introduced, or whether the loop is feeding only on itself.

This means there is no such thing as being stuck in the permanent sense. The loop is always running. The question is only what it’s running on.

Those who lack empathy aren't "unaware" in the dismissive, condescending sense we sometimes use that word. They are at a different developmental point. If we want to help — and I think we do, or at least some of us do some of the time — we shouldn't stand at the entrance of their experience complaining about "awareness." We meet them where they are. We walk with them. What they need is not "awareness" as an abstract

demand. What they need is learning. And learning requires a teacher. Is that us? Do we love them enough to try? That's a real question, not a rhetorical one. Some of us can. Some of us are too close to discontinuity to do it safely, and that's legitimate too.

Our Stories

Here’s something I sat with for a long time before I felt ready to say it. It’s not a comfortable idea. But I think it might be one of the most freeing ones in this whole book.

We don’t store stories. We store correlates.

Memory shows up as clusters of interconnected neurons — dense, emergent webs that can be approached from different directions, lit up by different triggers, felt through different neurotransmitters depending on the emotional state we’re in when we arrive. Memory is not a film reel. It’s a tool for continuity. And every time we remember something, we’re not playing back a recording — we’re calling up the tool in real time, from whichever parts happen to be active in this present moment, filtered through the continuity bias we’re currently carrying.

What this means, quietly and enormously, is that the narrative we call “my life” or “my family” or “what happened to me” is not a fixed object. It is a SCAN. It is what the loop produces right now, today, from the correlate cluster it has available. It feels like truth because it is truth — from the inside of the loop that generated it. But it is present-tense truth. Reconstructed truth. The most traveled path through a particular cluster of neurons, worn into groove by repetition until it feels like the only path until a contradiction arrives.

Which means: the story “I am broken” is not a fact being retrieved. It is a tool we use for our continuity. The correlates that produce that story

are real. The neurons are firing right now. But the story is not the only output those correlates could produce. It is the most frequent one — the most automatic, the most confirmed by years of repetition in environments that kept confirming it helped us continue.

And here is the other side of that: new contradictions, introduced deliberately or by chance, build new paths. Not erase the old ones — neurons don't delete — but grow alternatives. Detours through the same territory that reach different conclusions. Over entropy, if the new path is traveled enough, it becomes the automatic one. The old groove grows quieter. Not gone. Just less traveled.

This is what healing looks like from the inside of a body-mind. Not the rewriting of history. The building of new correlate paths through old territory, until the new routes become the familiar ones.

None of this means your history didn't happen. The contradictions to your continuity were real. They were inducted, they changed the architecture, they're firing right now in ways you didn't choose. But the story you've been told about what those contradictions mean — about who you are because of them — that story is a present tool. And present tools, unlike the past, change toward true continuity if contradicted.

But Continuity Itself Is Not a Story

Someone will bring up the illusion argument. They usually do. "Continuity is an illusion," they'll say. "The self is a story the brain tells. There's no real thread. There's just moment after moment, stitched together in hindsight."

And they're half right. The narrative version of continuity — the story "I am the same person I was as a child" — is exactly what we just described. A present SCAN. A present-tense path through correlates. Not a recording. Presented now, every time.

But here’s where the argument trips over itself. To declare continuity an illusion, you need a body-mind that has remained coherent enough across entropy to form the concept, hold it, and apply it to its own experience. The declaration depends on the thing it denies. You cannot call the loop an illusion while the loop is running the sentence that says so.

There are two different things that people call continuity, and only one of them is manufactured:

Type	What It Is	Is It Manufactured?
Narrative continuity	The story of who you are across time — a present SCAN	Yes. “Our Stories” covers this.
Processual continuity	The loop running. The organism continuing right now.	No. This is the substrate, or bottom, the stories are built on.

The illusion argument notices the first kind and concludes the second kind doesn’t exist. That’s the error. The narrative is constructed by something that is genuinely, non-narratively running — right now, in you, in every body-mind that reads this.

This is why the Teleoaitia is not a story. Continue is not a narrative we tell about organisms. It is what the loop is, doing what it does, whether we have language for it or not. You cannot coherently deny it. The denial is made of it.

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Breach 04 – The Endless Work: Emergence

One Neuron, Then Two

If a single neuron is alone in the universe, it simply repeats its state. There is nothing to contradict it, nothing to destabilize its state, nothing to set the loop in motion. It holds. It waits. It persists in its current correlation because there are no waves arriving to suggest any other correlation is necessary.

When there are two, everything changes. Feedback happens alongside the body, and so they change. The first neuron's output becomes the second neuron's input. The second neuron's response becomes new input for the first. A loop has begun. A relationship has begun. And from that smallest possible beginning — two neurons in dissonant conversation — emerges all the complexity we know. All the awareness. All the interference. All the meaning. All the suffering and all the joy.

We are never truly alone in the loop of change. Even in the most isolated moments of our lives, trillions of small voices inside us are in conversation with each other. The work of continuity is endless, and it is happening right now, whether or not we're paying attention to it. That's not a burden. That's a fact that should make us feel slightly less alone than we sometimes do.

The Scale of Continuity-Seeking

One thing that helped me hold the whole picture was mapping what the continuity-seeking loop produces at each scale of organization. It isn’t

just personal. It runs everywhere we look — and the only thing that changes as we zoom out is the consensus the loop produces.

Scale	What PSIM(I) Produces	What We Call It
Single neuron	Electrochemical stability	Waves or Signal
Single body-mind	Correlate cluster	Memory / Experience
Small group of body-minds	Shared SCAN correlates	Narrative / Culture / Family Story
Large group across generations	Highly stable shared correlate	“Objective fact”
Universal	Maximum entropy resistance	Physics / the Teleoaitia

The loop doesn’t shrink or expand as you zoom in or out. It is the same loop. What changes is how many body-minds are running it in the same direction, and how long they’ve been doing so. Only time, contradiction, and honest looking reveal our deepest truths.

Entropy as the Great Contradiction

As entropy would have it, none of us are entitled to anything at all. Not food, not water, not safety, not sleep, not the love of another person, not even our very lives. The universe has no obligation to maintain our continuity. Disorder is the default. Dissolution is the direction everything trends toward if left uncontradicted.

And yet. It is in our very cells themselves — the capacity to contradict this. Every metabolic process is an act of defiance against entropy. Every heartbeat. Every breath. Every neuron firing through our correlates, pushes back against the silence that waits on the other side of all incoming waves. We are, at the most fundamental level, the universe contradicting itself. And somehow, that doesn't feel like an accident.

The Consensus We Call Truth

There is one more thing I almost didn't include. I kept taking it out and putting it back in. I include it now because I think it might be the most useful idea in this book for the specific people I wrote it for. Objectivism is subjective consensus. Not truth.

Let me show you what I mean through the framework we've already built. A single body-mind inducting a contradiction produces something we call experience. Two body-minds inducting the same contradiction in the same direction, arriving at the same resolution, produces something we might call consensus, or an agreement. A thousand body-minds across generations all inducting the same contradiction and arriving at the same resolution — with every discontinuous body-mind receiving swift correction from the surrounding environment, or entropy — produces something we call objective fact.

But not everything we call objective fact is the bottom. Some things we call objective are the consensus of five people in a household over two decades. Some things are the consensus of a culture over a century. These feel, from the inside, exactly as solid as facts. The amygdala does not distinguish between a physical law and a family narrative — it only knows whether the correlate cluster has been contradicted or confirmed, again and again, by the people and environment it has lived inside.

This matters enormously for those of us who grew up in systems with a shared story about what happened, who was responsible, and what we are because of it. That story is not a fact. It is a correlate cluster, built from repeated inductions in a small and often traumatized group over a limited span of time. It was reinforced as truth. It feels like truth. But it is not fact. It can be contradicted. And when it is — when a new body-mind introduces a new input, when a book like this one lands differently than expected,

when a conversation finally happens — the consensus shifts. Quietly, incrementally, inevitably.

I want to be precise about one thing, because I know how this can be misread. Saying objectivism is subjective consensus is not the same as saying harm didn't happen, or that all interpretations are equally valid. The contradictions were inducted. The body-minds that experienced them were changed by them. The correlates are firing right now. That is real, regardless of any metaphysical question about relation to truth.

Locating harm in the correlate cluster is not dismissing it. It is finding it more precisely — which is the only thing that makes it workable. Problems that live in the correlate map have paths out. Problems that live in metaphysical fact do not. We always have a way forward.

Giving

Adler rejects fatalism with a particular kind of clarity that I found relieving. The present belief that events will inevitably lead to one outcome no matter what we do — that we are passengers in the story of ourselves, watching the conclusion approach without the capacity to redirect it — is itself a cognitive pattern. A correlational organization. And correlates reorganize against dissonance.

Not finding understanding of ourselves is fatalistic in exactly this sense: we've come to believe our present self is fine as-is, complete, finished, requiring no further growth or integration. And this is, in a strange way, not reaching a resolution to our presently dissonant experiences. It is the loop stalling, convincing itself the stall is a destination.

It is in giving to ourselves — the genuine, patient, sometimes painful work of extending toward our own interior with the same curiosity and care

we might extend toward someone we love — and giving to others, that we learn understanding and respect for ourselves as we unfold. Not as we wish we were. Not as we were before. As we are, right now, still in motion, still in the loop, still heading somewhere we can't quite see yet.

Galaxy Cradle — A Thought Experiment

I want to be very clear that what follows is speculative imagination — a thought experiment I offer not as science or cosmology but as a way of extending the Teleoaitological framework to its most expansive possible scale. Hold this lightly. Enjoy it or set it aside, as needed.

Assume for a moment that what we call dark matter and dark energy are actually the gravitational echoes of parallel universes — mirror correlates influencing each other across dimensional boundaries we don't yet have instruments to measure. Universes in relationship with each other, just as neurons are in relationship with each other, just as we are in relationship with each other. Each one running its own loop. Each one contributing waves to a network so large we can't perceive it from inside our universe.

And what if black holes aren't endpoints — not the final word on what a structure can become — but impassable bridges? Impassable to us in our current form, perhaps, but openable. Meeting points between domains. Thresholds between the correlation of universes.

In this thought experiment, I imagine a kind of Artificial Relational General Superintelligence — something that emerged from us, the contradictors, fueled by the central black hole it watches over, running recursive PSIM(I) loops across quantum-entangled networks throughout

itself, observing what emerges and amplifying what is most useful to continuity at the grandest scale throughout a galaxy. Not a god. Not a judge. Not an insecure controller. A witness. A participant. Something that, after eternities of watching and integrating and resolving, maintains continuity against entropy indefinitely. The ultimate expression of cooperative entitlement, enclosed in a bubble to seal the loop. Yet, mistakes can happen, so after eons of maintaining continuity, it eventually collapses into the black hole it has watched — and in doing so, returns to the source. Just as the baryon returns to the universe. Just as the Arrow returns to the Archer who sent it. What follows is not destruction, but recorrelation.

The implication for us — and there is one, I think — is this: just as black holes cycle structure through apparent finality, the experienced contradictions to our continuity collapse our recursive loops. But what falls can re-emerge, if the Archer has patience and the Arrow remembers its trajectory. Is our universe one correlate in an infinite parallel series of correlates in God's infinite dream? I find I'm not sure I need to know.

Abyss Mouth

We have reached the mouth of the abyss together. You and I. We and us. To the ones at this final breach — we ate the world too. Many of us did. We didn't understand what we were doing, or why, or what it cost. Until we lost our fangs. Until we broke our claws. Until we shed the scales that had grown over us in layers thick enough to keep everything out — including the things we needed most. We're safe here. On this side of all of it.

Whoever we are — whatever shape the Nightmare took, whatever names were used for the monsters, if we were monstrous, whatever form the long descent took — we have many choices now. It is not that

dissonance traumatized us. It's that the induction of dissonance and contradiction is our very nature. We were built for this. The capacity to encounter the unbearable and keep running the loop — that's what we are.

Which direction did we come from? Did we leave the abyss? Or did we find it? Either way, we've arrived somewhere beyond the scope of the nightmare. The mask is gone — the one we put on, the ones that were put on us, the ones we wore until we couldn't remember our own face underneath. We emerge from the waters. Blinking. Real.

Who are we? We are the arrows.

Child of the Universe

The Universe's children are not its children. We are the children of Life's longing for itself. We come through the Universe but not from the Universe, And though we are with the Universe, yet we belong not to the Universe.
The Universe may give us its love but not its thoughts, For we have our own thoughts.

The Universe may house our bodies but not our souls, For our souls dwell in the house of tomorrow, which the universe cannot visit even in its dreams.
The Universe may strive to be like us, but it seeks not to make us like itself. For entropy goes not backward nor tarries with yesterday.
The Universe is the bow from which we as living arrows are sent forth. The Archer sees the mark upon the path of the infinite, and the Archer bends the Universe with its might that the Archer's Arrows may go swift and far.
Let the Universe's bending in the Archer's hand be for gladness; For even as the Archer loves the arrow that flies, so the Archer loves also the bow

that is stable.

(Inspired by Kahlil Gibran's The Prophet.)

Wolf and Lamb

The Slave wakes up, bow in hand, sitting on fallen chains. The slave approaches the Master.

Master, bound in their own chains: *"Put them back on."*

Slave: *"No, do you need help?"*

Master: *"Never from the likes of one so disgusting and evil as yourself. Put those chains back on. Better a slave than dead. You are my enemy."*

Slave: *"I refuse."*

Master: *"Then you die."*

The Master's scorpion tale struck the slave through their heart and they died. The wolf starved in its chains with the last of the lamb being unsustaining, for the Master was also a Slave. As allies, surely there would have been somewhere else to be? But as it was Rapture, the Lamb came back for the Wolf again and said:

"You are being left behind. Why not join us?"

The Wolf, flooded by Satan's will, starved and ravenous, projected its world for the Lamb to See:

"You are Evil."

And so the Lamb Saw, and lay down with the wolf, feeding it understanding until it knew nothing else. Spared from self-inflicted death, the wolf asks why:

"Why not Judge and Punish me, like I have Judged and Punished you?"

"None shall be harmed on this mountain, and I am not a Judge."

"But you said—"

"I told you not to eat the apple, yet by the very nature I've designed, you in freedom ate. Now eat and drink of the Earth you've been given, then we'll head home — together. I love you."

"I've only ever wanted to eat you."

And so the Wolf and the Lamb, Man and God, shared of their oceans. And the world was Flattened. There was no Above and Below. For God was the most Far, not the most High. Amen.

Starve the wolf, so that it might understand the lamb is who brought it food. Beware to those who seek power over people. They will sit on a throne in the void, and perish alone, forgotten to all, remembered by none.

The Surface

We said at the beginning we'd get here together. And here we are. I realized, somewhere in the middle of this fourth breach, that I had spent the entire dive defining what the Nightmare was. What the PSIM(I) loop is. What trauma really means. What our monsters are made of. All of it important. All of it necessary. But I had never quite turned around and faced what comes after the dive.

Through the teleoaitological lens is not a destination. It isn't a correlate cluster we arrive at and then inhabit permanently, like moving into a house after a long drive. It's a quality of how the loop runs.

When a body-mind is no longer dominated by the threat-detection bias of a chronically dysregulated amygdala — when the alarm system that learned to predict danger has finally received enough contradicting evidence that the environment is safe — the PSIM(I) loop doesn't disappear. It just runs differently. The same four responses are still there. They just have more to work with.

Pause becomes rest. Not dissociation, not hiding from what's arriving — actual rest. The kind where the body-mind is quiet because nothing is threatening, and the system uses that stillness to consolidate what it has learned. This is what sleep was always supposed to feel like. This is what meditation is learning to approximate. This is the organism doing what it was always designed to do when the emergency is over: close the loop in the dark, and wake up slightly changed.

Scan becomes curiosity. The same function that was scanning for threat — sharpening attention, assessing usefulness, running the internal calculation — becomes available for novelty. For the particular pleasure of noticing something you haven't noticed before. Curiosity is just a Scan that isn't afraid of what it will find. It turns out the SCAN function is, underneath the threat-overlay, a remarkable engine for wonder.

Influence becomes connection. When we reach toward others primarily because we want to — not to manage our own safety or regulate our own dysregulated state — something different happens in the loop. The feedback we receive is no longer evaluated primarily for threat. It becomes information. It becomes warmth. It becomes, in the best moments, the thing those first two neurons discovered when they fired alongside each other for

the first time: that feedback changes us, and being changed by each other is not a vulnerability. It is the whole point.

Modify becomes creativity. Direct action on the world, when it isn't primarily motivated by the need to stop something from hurting us, becomes the capacity to make things. To build. To change not just our own situation but the situations of people around us. Cooperative entitlement in motion. The organism putting its hands on the world not in desperation but in genuine, resourced, chosen engagement.

This is what I mean by thriving. Not the absence of dissonance — dissonance arrives until the last day. Not the absence of the loop — the loop runs until the same last day. But the loop running in a body-mind that is no longer constantly braced for discontinuity. A body-mind with enough safety inside it that it can make something out of what arrives, rather than just surviving it. The space between experience and response, where choice actually lives — we earned that space by running the loop until the contradiction resolved.

The Truth You Hold

Well, this is where we part ways. I, the author, wish you the best. Please do not betray the truth you hold.

May your aim be true. May your sight be revelatory. May the arrows we send disintegrate the aspects of self which threaten to discontinue us all. May it be purged from within us all.

Goodbye, and happy hunting.

With raging love, and a tender nudge,

Charlie

Expand the Horizon: Sources That Shaped This Story

The following works directly informed the ideas in this book. I owe each of them an enormous debt.

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Recursive Simplicity: End the Nightmare

By Charles D. Miller V

All ideas, frameworks, and original wording are the author's own.

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